

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of claims:

Claims 1-12 (previously canceled)

Claim 13 (currently amended): An isolated polynucleotide comprising:

- (a) a nucleotide sequence that encodes a polypeptide having thiamin pyrophosphokinase activity, wherein the polypeptide has a sequence identity of at least 80%, based on the Clustal method of alignment, when compared to a polypeptide selected from the group consisting of SEQ ID Nos:2,4,6, and 8, or
(b) a full-length complement of the nucleotide sequence.

Claim 14 (previously added) The polynucleotide of Claim 13 wherein the sequence identity is at least 90%.

Claim 15 (previously added) The polynucleotide of Claim 13 wherein the sequence identity is at least 95%.

Claim 16 (currently amended) The polynucleotide of Claim 13 wherein the polynucleotide encodes a polypeptide ~~selected from the group consisting of~~ SEQ ID NOs:2,4,6, and 8.

Claim 17 (currently amended) The polynucleotide of Claim 13, wherein the polynucleotide comprises a nucleotide sequence ~~selected from the group consisting of~~ SEQ ID NOs:1,3,5, and 7.

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Claim 18 (canceled)

Claim 19 (currently amended) A ~~chimeric gene~~ recombinant construct comprising the polynucleotide of Claim 13 operably linked to at least one regulatory sequence.

Claim 20 (currently amended) A cell comprising the recombinant construct polynucleotide of Claim 19 43.

Claim 21 (previously added) The cell of Claim 20, wherein the cell is selected from the group consisting of a yeast cell, a bacterial cell and a plant cell.

Claim 22 (currently amended) A virus comprising the recombinant construct polynucleotide of Claim 19 43.

Claim 23 (canceled)

Claim 24 (currently amended) A method for transforming a cell comprising introducing into a cell the recombinant construct polynucleotide of Claim 19 43.

Claim 25 (canceled)